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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

<p>APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.</p>		Attorney Docket No. 9772-0332-999 Total Pages	
		First Named Inventor or Application Identifier	
		Barroso et al.	
		Express Mail Label No. EL 452 482 088 US	
		Assistant Commissioner for Patents Box Patent Application Washington, DC 20231	
<p>1. <input checked="" type="checkbox"/> Fee Transmittal Form <i>Submit an original, and a duplicate for fee processing</i></p> <p>2. <input checked="" type="checkbox"/> Specification <i>(preferred arrangement set forth below)</i></p> <ul style="list-style-type: none">-Descriptive title of the Invention-Cross Reference to Related Applications-Statement Regarding Fed sponsored R&D-Reference to Microfiche Appendix-Background of the Invention-Brief Summary of the Invention-Brief Description of the Drawings <i>(if filed)</i>-Detailed Description of the Invention (including drawings, <i>if filed</i>)-Claim(s)-Abstract of the Disclosure <p>3. Drawing(s) (35 USC 113) [Total Sheets 29]</p> <p>4. Oath or Declaration (executed) [Total Sheets 5]</p> <p>a. <input checked="" type="checkbox"/> Newly executed (original or copy)</p> <p>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <i>(for continuation/divisional with Box 17 completed)</i> [Note Box 5 below]</p> <p>i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33 (b).</p> <p>5. <input type="checkbox"/> Incorporation By Reference <i>(useable if Box 4b is checked)</i> The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.</p> <p>17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input checked="" type="checkbox"/> Continuation-in-part (CIP) of prior application No: 09/878,982 filed June 11, 2001 (claiming priority of US provisional application 60/210,675, filed June 10, 2000).</p>		<p>6. <input type="checkbox"/> Microfiche Computer Program (Appendix)</p> <p>7. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i></p> <ul style="list-style-type: none">a. <input type="checkbox"/> Computer Readable Copyb. <input type="checkbox"/> Paper Copy (identical to computer copy)c. <input type="checkbox"/> Statement verifying identity of above copies <p>ACCOMPANYING APPLICATION PARTS</p> <p>8. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s))</p> <p>9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <i>(when there is an assignee)</i></p> <p>10. <input type="checkbox"/> English Translation Document <i>(if applicable)</i></p> <p>11. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>12. <input type="checkbox"/> Preliminary Amendment</p> <p>13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i></p> <p>14. <input type="checkbox"/> Applicant claims Small Entity status, see 37 C.F.R. § 1.27</p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i></p> <p>16. <input type="checkbox"/> Other:</p>	
<p>18. CORRESPONDENCE ADDRESS</p> <p>Customer Number: 24341 (Insert Customer No. or Attach bar code label here)</p> <p>or <input type="checkbox"/> Correspondence address below</p>			
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PENNIE & EDMONDS LLP
COUNSELLORS AT LAW
3300 Hillview Avenue
Palo Alto, CA. 94304

ATTORNEY DOCKET NO. 9772-0332-999

Date: January 7, 2002

Assistant Commissioner for Patents
Box PATENT APPLICATION
Washington, D.C. 20231

Sir:

The following utility patent application is a continuation-in-part of U.S. patent application 09/878,982, filed June 11, 2001, which claims priority on U.S. provisional patent application 60/210,675, filed June 10, 2000:

Applicant(s): Gharachorloo et al.

Executed on: January 7, 2002

Title of Invention: SYSTEM FOR MINIMIZING DIRECTORY INFORMATION IN SCALABLE MULTIPROCESSOR SYSTEMS WITH LOGICALLY INDEPENDENT INPUT/OUTPUT NODES

PATENT APPLICATION FEE VALUE

TYPE	NO. FILED	LESS	EXTRA	EXTRA RATE	FEE
Total Claims	37	-20	17	\$18.00 each	\$ 306.00
Independent	4	-3	1	\$84.00 each	\$ 84.00
				Minimum Fee	\$ 740.00
				Multiple Dependency Fee If Applicable (\$280.00)	\$ 0.00
				Total	\$ 1,130.00
				Applicant qualifies for the 50% Reduction for Independent Inventor, Nonprofit Organization or Small Business Concern	- \$ 0.00
				Total Filing Fee	\$ 1,130.00

DO NOT PUBLISH. I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

Also enclosed are:

XX 29 sheets of formal drawings;
XX 3 Declarations; and
XX Assignments with Recordation Cover Sheet.

Please charge the required fee to Pennie & Edmonds LLP Deposit Account No. 16-1150 (9772-0332-999). A copy of this sheet is enclosed.

Respectfully submitted,



Gary S. Williams
PENNIE & EDMONDS LLP

31,066

(Reg. No.)

Enclosure This form is not for use with continuation, divisional, re-issue, design or plant patent applications.